

Converting Colors

$Yxy(30.9875, 0.2371, 0.3516)$

Have a look what the booklet for
Yxy(30.9875, 0.2371, 0.3516)
contains.

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Color

Yxy(30.8369, 0.2369, 0.3505)

Conversions

Conversions Part 1

Format	Color
Hex	27A89C
RGB	39, 168, 156
RGB Percent	15%, 66%, 61%
CMY	0.8466, 0.3412, 0.3883
CMYK	0.77, 0.00, 0.07, 0.34
HSL	174°, 62%, 41%
HSV	174°, 77%, 66%
XYZ	20.8424, 30.8369, 36.3004
YIQ	128.0610, -73.0320, -31.0800

Conversions

Conversions Part 2

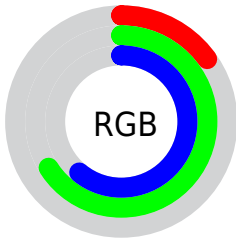
Format	Color
RYP	39, 107, 168
Decimal	2599068
CIELab	62.37, -36.29, -3.56
CIElCh	62, 36.461, 185.603
Yxy	30.8369, 0.2369, 0.3505
Android (android.graphics.Color)	4280789148 (0xFF27A89C)
YUV	128.0610, 13.7739, -78.1065
Hunter-Lab	55.5310, -30.1830, 0.1140

Details

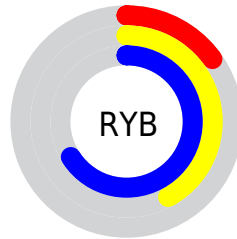
The Yxy color **30.8369, 0.2369, 0.3505** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **10.0238, 0.5520, 0.3166**, and the grayscale version is **21.5911, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.0903, 0.2522, 0.3474**, and **13.2814, 0.2319, 0.3548** is the 20% darker color. If you saturate the color by 10%, you get **30.5259, 0.2341, 0.3536**, and if you desaturate by 10%, it is **31.2962, 0.2415, 0.3474**.

Distribution



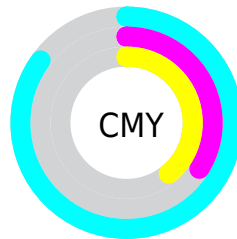
- Red (15%)
- Green (66%)
- Blue (61%)



- Red (15%)
- Yellow (42%)
- Blue (66%)



- Cyan (77%)
- Magenta (0%)
- Yellow (7%)
- Black (34%)





- Cyan (85%)
- Magenta (34%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 30.8369, 0.2369, 0.3505 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 30.8369, 0.2369, 0.3505 by changing the saturation by 10% instead.


 30.8369, 0.2369,
0.3505


 30.8369, 0.2369,
0.3505


305.7862, 0.2768,
0.3396

 20.4747, 0.2263,
0.3532


 60.9832, 0.2518,
0.3466

 12.7406, 0.2124,
0.3566


 81.5361, 0.2573,
0.3451


 7.2501, 0.1934,
0.3610


 106.2546, 0.2619,
0.3438

 3.6190, 0.1658,
0.3668

 135.5232, 0.2658,
0.3427

 1.4628, 0.1081,
0.3804

 169.7263, 0.2691,
0.3418

 0.2623, 0.0000,
0.3292

209.2482, 0.2720,

 0.0000, 0.0000,

0.3410

0.0000

254.4734, 0.2745,
0.3403

■ 30.8369, 0.2369,
0.3505

■ 30.8369, 0.2369,
0.3505

■ 30.5259, 0.2341,
0.3536

■ 31.2962, 0.2415,
0.3474

■ 30.3353, 0.2330,
0.3568

■ 31.9174, 0.2480,
0.3442

■ 30.2827, 0.2327,
0.3578

■ 32.7163, 0.2563,
0.3412

■ 33.7058, 0.2662,
0.3383

■ 34.8980, 0.2776,
0.3355

■ 36.3035, 0.2900,
0.3329

■ 37.9324, 0.3034,
0.3305

■ 39.7943, 0.3174,
0.3283

■ 41.8980, 0.3316,
0.3263

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



30.8369, 0.2832, 0.4064



30.8369, 0.2369, 0.3505



30.8369, 0.2117, 0.2934

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



30.8369, 0.2369, 0.3505



30.8369, 0.2773, 0.2430



30.8369, 0.4248, 0.3921

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



30.8369, 0.2369, 0.3505



10.0238, 0.5520, 0.3166

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



30.8369, 0.4254, 0.3478



30.8369, 0.2369, 0.3505



30.8369, 0.3354, 0.2664

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



30.8369, 0.2369, 0.3505



30.8369, 0.2333, 0.2379



30.8369, 0.3917, 0.3034



30.8369, 0.3923, 0.4261

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



30.8369, 0.2369, 0.3505



30.8369, 0.2084, 0.2648



30.8369, 0.3917, 0.3034



30.8369, 0.4289, 0.3778

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



30.8381, 0.2369, 0.3505



64.1251, 0.2816, 0.3346



28.8820, 0.3075, 0.5625



13.7936, 0.2773, 0.3355



84.8088, 0.3127, 0.3290



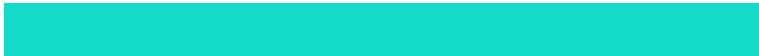
15.4872, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



30.8381, 0.2369, 0.3505



55.1375, 0.2332, 0.3558



15.8549, 0.2046, 0.2284



8.5198, 0.2999, 0.3311



22.8730, 0.2326, 0.3575



0.5599, 0.2298, 0.3471

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



10.0238, 0.5520, 0.3166



15.6541, 0.6135, 0.3219



15.8981, 0.5050, 0.3969



7.5532, 0.3272, 0.3269



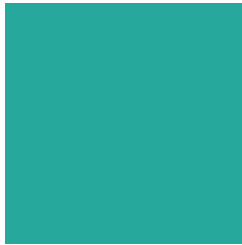
6.3177, 0.6271, 0.3228



0.1571, 0.5762, 0.2948

Previews

White Background



This preview shows how the Yxy color 30.8369, 0.2369, 0.3505 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 30.8369, 0.2369, 0.3505 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

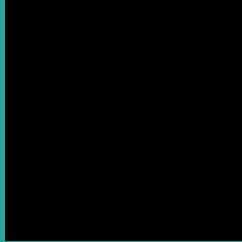
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 30.8369, 0.2369, 0.3505

Background



This preview shows how black text looks on a background with the Yxy color 30.8369, 0.2369, 0.3505.

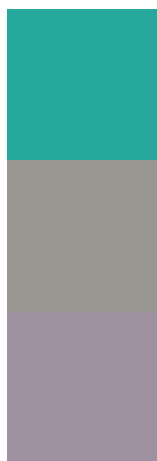


This preview shows how white text looks on a background with the Yxy color 30.8369, 0.2369, 0.3505.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

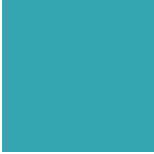
30.8369, 0.2369, 0.3505

Protanopia

30.3115, 0.3207, 0.3352

Deuteranopia

30.1949, 0.3118, 0.3051



Tritanopia

30.9089, 0.2283, 0.3067

Trichromacy



Original Color

30.8369, 0.2369, 0.3505

Protanomaly

29.3916, 0.2783, 0.3409

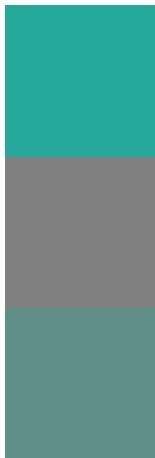
Deuteranomaly

28.9305, 0.2724, 0.3189

Tritanomaly

30.8277, 0.2313, 0.3218

Monochromacy



Original Color

30.8369, 0.2369, 0.3505

Achromatopsia

21.5861, 0.3127, 0.3290

Achromatomaly

23.9667, 0.2714, 0.3382

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.8369, 0.2369, 0.3505 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(39, 168, 156)` looks like.

```
.text, #text, p{  
  color:rgb(39, 168, 156)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(39, 168, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(39, 168, 156) }
```

Border

The CSS property to change the border of an element to Yxy 30.8369, 0.2369, 0.3505 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(39, 168, 156) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(39, 168, 156) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(39, 168, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(39, 168, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(39, 168, 156);  
box-shadow:4px 4px 4px 4px rgb(39, 168,  
156) }
```


Background

The CSS property to change the background color of an element to Yxy 30.8369, 0.2369, 0.3505 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(39, 168, 156) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(39, 168,  
156) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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